

IN THE CLAIMS

Claims 1-25 (Cancelled).

26. (Currently Amended) A transparent substrate having at least one surface comprising, an antireflection coating made of a multilayer stack having alternating thin layers of high and low refractive indices, comprising:

(a) at least one high-index thin multilayer having a refractive index value higher than 1.9 and lower than 2.45, comprising at least one titanium oxide layer and at least one additional high index layer having a refractive index of at most 2.3 and comprising at least one of fluorine-doped tin oxide, antimony-doped tin oxide, and aluminium-doped zinc oxide ~~a material selected from the group consisting of zinc oxide, silicon nitride, aluminum nitride, and a slightly conducting material having doped metal oxide;~~ or

a trilayer with alternatively one titanium oxide layer, one tin oxide layer and one titanium oxide layer;

(b) low refractive index layers having a refractive index of from 1.30 to 1.65.

27. (Previously Presented) The transparent substrate of claim 26, wherein the high-index multilayer has a refractive index ranging from 2.25 to 2.38.

28. (Previously Presented) The transparent substrate of claim 26, wherein the thin layers comprise a dielectric material, a low emissivity material, or a solar-protection coating.

29. (Previously Presented) The transparent substrate of claim 26, wherein the titanium oxide layer and the additional high index layer are contiguous layers and the additional high index layer is closer to the substrate than the titanium oxide layer.

30. (Previously Presented) The transparent substrate of claim 29, wherein the absolute value of the difference between the refractive index of the additional high index layer less the refractive index of the first titanium oxide layer is from 0.1 to 0.6.

- Application No. 09/761,765
Reply to Office Action of July 29, 2004 and September 9, 2004

31. (Previously Presented) The transparent substrate of claim 26, wherein the low refractive index thin layers comprises one or more of silicon oxide, aluminum oxide, aluminum oxyfluoride, aluminum fluoride, magnesium fluoride and mixtures thereof

32. (Previously Presented) The transparent substrate of claim 31, wherein the low refractive index thin layers comprise at least one of silicon oxide and aluminum oxide, and wherein the oxides are halogenated.

33. (Previously Presented) The transparent substrate of claim 31, wherein the thin layer of the antireflection coating most removed from the substrate is a low index layer comprising a $\text{SiO}_2\text{-Al}_2\text{O}_3$, wherein the atomic percent of aluminum with respect to silicon is from 5 to 20 percent.

34. (Previously Presented) The transparent substrate of claim 33, wherein the antireflection coating has a formula $(\text{high-index layer/low-index layer})_n$, wherein n is 2 or 3.

35. (Cancelled).

36. (Previously Presented) The transparent substrate of claim 26, wherein the titanium oxide layer and the additional high index layer are contiguous layers and the titanium oxide layer is closer to the substrate than the additional high index layer which is a silicon nitride.

37. (Previously Presented) The transparent substrate of claim 26, wherein a single intermediate index layer substitutes a first sequence counting from the substrate of high-index layer and low index layer.

38. (Previously Presented) The transparent substrate of claim 26, which comprises a high index layer distinct from the high-index multilayer, having a refractive index of between 1.9 and 2.2 and which comprises tantalum oxide, zirconium oxide, tin oxide, indium oxide, zinc oxide, niobium oxide, silicon nitride, or aluminum nitride.

39. (Previously Presented) A glazing comprising the transparent substrate of claim 26.

40. (Previously Presented) The glazing of claim 39, further comprising a layer or multilayer stack that is a solar protection layer, a heat absorbing layer, a UV protecting layer, an antistatic layer, a low emissivity layer, a heated layer, an anti-fouling layer, a hydrophobic organic layer having an anti-rain function, a hydrophilic organic layer having an anti-foggingfunction, or a silvering layer.

41. (Previously Presented) The glazing of claim 39, wherein the glazing comprises extra-clear glass or solid-tinted glass and wherein the glazing is optionally, toughened, reinforced, curved, or bent.

42. (Previously Presented) The glazing of claim 39, wherein the glazing comprises a transparent polymer material.

43. (Previously Presented) The glazing of claim 42, wherein the transparent polymer material comprises a polycarbonate or a polyacrylate.

44. (Previously Presented) The glazing of claim 39, for use as the internal or external glazing for buildings, to protect paintings, a motor-vehicle window, a mirror, a display screen, a decorative glass, a shop window, a shop-counter, or a refrigerated display-cabinet.

45. (Previously Presented) A motor vehicle window comprising the glazing of claim 39.

46. (Previously Presented) A mirror comprising the glazing of claim 39.

47. (Previously Presented) A display screen comprising the glazing of claim 39.

48. (Previously Presented) A shop window comprising the glazing of claim 39.

49. (Previously Presented) A glass comprising the glazing of claim 39.